

ABSTRACT

When recording on a holographic recording medium by using a recording beam, the time required for an asking servo control to recover is reduced to increase the data transfer rate. In the holographic recording apparatus 10, a laser beam from a laser light source 16 is formed into a collimated beam having an expanded beam diameter and then is divided into an object beam and a reference beam. The divided object beam is modulated according to information to be recorded, and these object and reference beams are made incident on the reflective surface of a rotating polygon mirror 18, while maintaining collimated beam shapes and being adjacent to each other, through a condenser lens 24 having a focal point behind the reflective surface of the polygon mirror 18. The object and reference beams are made incident on the holographic recording medium 12 moving in the same direction as their scanning direction with angles different from each other so as to interfere with each other within the holographic recording medium 12.